

## CLAIMS

1           1. A multi-component liquid explosive comprising:

2           (a) aluminum powder containing stearic acid; and

3           (b) nitromethane.

1           2. The explosive of claim 1 in which said aluminum powder has an average

2           particle size of 5 to 50 microns and a surface area of 0.5 to 2 square meters per cubic

3           centimeter, and contains 0.1 to 5% stearic acid by weight.

1           3. The explosive of claim 1 in which said aluminum powder and said nitromethane

2           are mixed in the ratio of about 1 to 1.2 ounces of said aluminum powder to about 6

3           ounces of said nitromethane, by weight.

1           4. The explosive of claim 1 in which is included a reclosable vessel for containing

2           said aluminum powder and said nitromethane.

1           5. The explosive of claim 4 in which said reclosable vessel includes a plastic

2           bottle.

1           6. The explosive of claim 5 in which said plastic bottle has a screw-on closure.

1           7. The explosive of claim 4 in which said reclosable vessel includes a plastic bag.

- 1           8. The explosive of claim 7 in which said plastic bag has a zip-lock closure.
- 1           9. The explosive of claim 7 in which said plastic bag has a screw-on closure.
- 1           10. The explosive of claim 1 in which is included nitroethane.
- 1           11. The explosive of claim 1 in which is included a thickening agent.
- 1           12. The explosive of claim 11 in which said thickening agent includes polymethyl  
2 methacrylate.
- 1           13. The explosive of claim 11 in which said thickening agent includes amorphous  
2 fumed silica.
- 1           14. The explosive of claim 11 in which said thickening agent includes amorphous  
2 fumed silica and polymethyl methacrylate.
- 1           15. The explosive of claim 1 in which said explosive contains a minimum of 5 %  
2 by weight of said aluminum powder in relation to said nitromethane.
- 1           16. A method of making a multi-component liquid explosive comprising the steps  
2 of:  
3           (a) providing a quantity of aluminum powder containing stearic acid;  
4           (b) providing a quantity of nitromethane; and

5 (c) mixing a portion of said quantity of said aluminum powder with a portion of  
6 said quantity of said nitromethane.

1 17. The method of claim 16 in which said aluminum powder has an average  
2 particle size of 5 to 50 microns and a surface area of 0.5 to 2 square meters per cubic  
3 centimeter, and contains 0.1 to 5% stearic acid by weight.

1 18. The method of claim 16 in which said aluminum powder and said  
2 nitromethane are mixed in the ratio of about 1 to 1.2 ounces of said aluminum powder to  
3 about 6 ounces of said nitromethane, by weight.

1 19. The method of claim 16 in which is included the step of providing a reclosable  
2 vessel for containing said aluminum powder and said nitromethane when mixed  
3 together.

1 20. The method of claim 16 in which is included the step of mixing nitroethane  
2 with said nitromethane.

1 21. The method of claim 16 in which is included the step of adding polymethyl  
2 methacrylate to said aluminum powder.

1 22. The method of claim 16 in which is included the step of adding amorphous  
2 fumed silica to said aluminum powder.

1           23. The method of claim 16 in which is included the steps of adding amorphous  
2 fumed silica and polymethyl methacrylate to said aluminum powder.

1           24. The method of claim 19 in which is included the steps of adding said  
2 aluminum powder to said vessel; pouring approximately half of the quantity of said  
3 nitromethane into said vessel; then agitating said vessel; then pouring the remainder of  
4 said nitromethane into said vessel; and then again agitating said vessel.